

## A B S T R A C T

A SYSTEM FOR ASSISTING MAINTENANCE OF A PARTICLE FILTER  
INTEGRATED IN AN EXHAUST LINE OF A MOTOR VEHICLE ENGINE

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This system for assisting the maintenance of a  
particle filter integrated into an exhaust line of a  
motor vehicle diesel engine is characterized in that it  
comprises means (1) for calculating the volume of ash  
10 from the engine lubricating oil, means (2) for  
calculating the volume of ash from the engine fuel, means  
(4) for calculating the usable volume (V.u) of the  
particle filter from a total volume of said filter when  
new (V.new) and the previously calculated volumes of ash,  
15 and means (5) for calculating a degree of clogging of the  
particle filter (d.c.) from the total volume of the  
filter when new (V.new) and the previously calculated  
usable volume (V.u) to trigger a maintenance request  
(Maint Req.) if the degree of clogging (d.c.) exceeds a  
20 predetermined threshold (threshold).

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Translation of the title and the abstract as they were when originally filed by the  
35 Applicant. No account has been taken of any changes that may have been made  
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38.2, and/or 48.3.